

Title (en)  
STABLE ASCORBIC ACID COMPOSITIONS

Title (de)  
STABILE ZUSAMMENSETZUNGEN VON ASKORBINSÄURE

Title (fr)  
COMPOSITIONS STABLES D'ACIDE ASCORBIQUE

Publication  
**EP 0486499 B1 19970806 (EN)**

Application  
**EP 90906651 A 19900416**

Priority  
• US 9001968 W 19900416  
• US 33948889 A 19890417

Abstract (en)  
[origin: WO9012572A1] A stable topical composition consists essentially of at least about 1 wt.% L-ascorbic acid, preferably from about 3 to 20 wt. % L-ascorbic acid, and more preferably about 5 to 10 wt. % L-ascorbic acid in water and a carrier for topical application is disclosed. Such a composition appears to allow ready penetration into the skin and retards the damage caused by ultraviolet light. Any composition containing at least about 1 wt. % L-ascorbic acid is expected to have beneficial effects, with the concentration of L-ascorbic acid being primarily limited by its solubility in the water/carrier system. The ratio of water to carrier is at least 1:1, and more preferably from 2:1 to 10:1, and the pH of the composition is no more than 3.0 to 3.5, preferably no more than about 2.5.

IPC 1-7  
**A61K 31/34**

IPC 8 full level  
**A61K 8/30** (2006.01); **A61K 8/00** (2006.01); **A61K 8/34** (2006.01); **A61K 8/39** (2006.01); **A61K 8/41** (2006.01); **A61K 8/67** (2006.01); **A61K 8/72** (2006.01); **A61K 8/73** (2006.01); **A61K 9/08** (2006.01); **A61K 31/375** (2006.01); **A61K 47/10** (2006.01); **A61K 47/38** (2006.01); **A61Q 19/00** (2006.01); **A61Q 19/02** (2006.01); **A61Q 17/04** (2006.01)

CPC (source: EP US)  
**A61K 8/345** (2013.01 - EP US); **A61K 8/39** (2013.01 - EP US); **A61K 8/676** (2013.01 - EP US); **A61K 8/731** (2013.01 - EP US); **A61K 9/0014** (2013.01 - EP US); **A61K 31/375** (2013.01 - EP US); **A61K 47/10** (2013.01 - EP US); **A61K 47/38** (2013.01 - EP US); **A61P 17/16** (2017.12 - EP); **A61Q 19/00** (2013.01 - EP US); **A61K 2800/51** (2013.01 - EP US); **A61Q 17/04** (2013.01 - EP US); **A61Q 19/004** (2013.01 - EP US)

Cited by  
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AT BE CH DE DK ES FR GB IT LI LU NL SE

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**WO 9012572 A1 19901101**; AT E156355 T1 19970815; AU 5523990 A 19901116; AU 647699 B2 19940324; CA 2054189 A1 19901018; CA 2054189 C 20001121; DE 69031219 D1 19970911; DE 69031219 T2 19980122; DK 0486499 T3 19980316; EP 0486499 A1 19920527; EP 0486499 A4 19930616; EP 0486499 B1 19970806; ES 2104605 T3 19971016; HK 1001834 A1 19980710; JP 3708540 B2 20051019; JP H04507089 A 19921210; US 5140043 A 19920818

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